

AMENDMENTS TO THE CLAIMS

Claims 1-40 (Cancelled)

41. (New) A data transmission method for sequentially transmitting data in units of packets each containing transmission data from the transmitting end to the receiving end, said data transmission method comprising:

a transmission-side process of transmitting an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then continuously transmitting a compressed packet in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data,

said transmission-side process including:

a compression process of forming compressed data that is to be stored in a compressed packet to be transmitted, on the basis of an updation information relating to a packet which has been transmitted prior to the compressed packet to be transmitted and transmission data of the compressed packet to be transmitted; and

a transmission-side updation process of setting information relating to the uncompressed packet as an initial value of the updation information, and updating the updation information to information relating to a specific compressed packet every time the specific compressed packet is formed.

42. (New) The data transmission method of Claim 41, wherein:

in the transmission-side process, the specific compressed packet is transmitted to the receiving end every time a predetermined period of time has passed.

43. (New) The data transmission method of Claim 41, wherein:

in the transmission-side process, the specific compressed packet is transmitted to the receiving end every time a predetermined number of compressed packets have been transmitted.

44. (New) A data transmission method for sequentially transmitting data in units of packets each containing transmission data from the transmitting end to the receiving end, said data transmission method comprising:

a reception-side process of receiving an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then continuously receiving a compressed packet in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data;

said reception-side process including:

a restoring process of restoring transmission data of a compressed packet to be restored, on the basis of an updation information relating to a packet which has been received prior to the compressed packet to be restored and compressed data included in the compressed packet to be restored; and

a reception-side updation process of setting information relating to the uncompressed packet as an initial value of the updation information, and thereafter updating the updation information to information relating to a specific compressed packet every time transmission data of the specific compressed packet is restored.

45. (New) The data transmission method of Claim 44, wherein:

in the reception-side process, the specific compressed packet is received every time a predetermined period of time has passed.

46. (New) The data transmission method of Claim 44, wherein:

in the reception-side process, the specific compressed packet is received every time a predetermined number of compressed packets have been transmitted.

47. (New) A data transmission apparatus for sequentially transmitting data in units of packets each containing transmission data from the transmitting end to the receiving end, said apparatus comprising:

transmitting an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then continuously transmitting a compressed packet in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data;

performing a compression process of forming compressed data that is to be stored in a compressed packet to be transmitted, on the basis of an updation information relating to a packet which has been transmitted prior to the compressed packet to be transmitted and transmission data of the compressed packet to be transmitted; and

performing a transmission-side updation process of setting information relating to the uncompressed packet as an initial value of the updation information, and thereafter updating the updation information to information relating to a specific compressed packet every time the specific compressed packet is formed.

48. (New) The data transmission apparatus of Claim 47 wherein:
the specific compressed packet is transmitted to the receiving end every time a predetermined period of time has passed.

49. (New) The data transmission apparatus of Claim 47 wherein:
the specific compressed packet is transmitted to the receiving end every time a predetermined number of compressed packets have been transmitted.

50. (New) A data reception apparatus for receiving data transmitted in packet units from the transmitting end, said apparatus comprising:

receiving an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then continuously receiving a compressed packet in which at least a portion

of transmission data following the predetermined transmission data is compressed and stored as compressed data;

performing a restoration process of restoring transmission data of a compressed packet to be restored, on the basis of an updatation information relating to a packet which has been received prior to the compressed packet to be restored and compressed data included in the compressed packet to be restored; and

performing a reception-side updatation process of setting information relating to the uncompressed packet as an initial value of the updatation information, and thereafter updating the updatation information to information relating to a specific compressed packet every time transmission data of the specific compressed packet is restored.

51. (New) The data reception apparatus of Claim 50, wherein:
the specific compressed packet is received every time a predetermined period of time has passed.

52. (New) The data reception apparatus of Claim 50, wherein:
the specific compressed packet is received every time a predetermined number of compressed packets have been transmitted.